

# CHANGE ISSUE – RTCA/DO-242

## MASPS for ADS-B Rev. A

Tracking Information (committee secretary only)	
Change Issue Number	62
Submission Date	2/14/02
Status (open/closed/deferred)	Rev. A - Closed
Last Action Date	2/22/02

Short Title for Change Issue:	Delete note regarding transponder codes in A/V Address requirements.
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MASPS Document Reference: 242A-WP-11-01 and DO-242		Originator Information:	
Entire document (y/n)		Name	Tom Mosher
Section number(s)	2.1.2.3	Phone	503-391-3522
Paragraph number(s)		E-mail	tom.mosher@at.ups.com
Table/Figure number(s)	Note 3	Other	Bill Flathers (AOPA)

Proposed Rationale for Consideration (originator should check all that apply):	
<input type="checkbox"/>	Item needed to support of near-term MASPS/MOPS development
<input type="checkbox"/>	DO-260/ED-102 1090 MHz Link MOPS Rev A
<input type="checkbox"/>	ASA MASPS
<input type="checkbox"/>	TIS-B MASPS
<input checked="" type="checkbox"/>	UAT MOPS
<input type="checkbox"/>	Item needed to support applications that have well defined concept of operation
<input type="checkbox"/>	Has complete application description
<input type="checkbox"/>	Has initial validation via operational test/evaluation
<input type="checkbox"/>	Has supporting analysis, if candidate stressing application
<input type="checkbox"/>	Item needed for harmonization with international requirements
<input type="checkbox"/>	Item identified during recent ADS-B development activities and operational evaluations
<input checked="" type="checkbox"/>	MASPS clarifications and correction item
<input type="checkbox"/>	Validation/modification of questioned MASPS requirement item
<input type="checkbox"/>	Military use provision item
<input type="checkbox"/>	New requirement item (must be associated with traffic surveillance to support ASAS)

Nature of Issue:	<input type="checkbox"/>	Editorial	<input checked="" type="checkbox"/>	Clarity	<input type="checkbox"/>	Performance	<input type="checkbox"/>	Functional
<u>Issue Description:</u>  Note 2 of 2.1.2.3 (2.1.2.2.2 of final draft 242A) contains the following text: “Correlation of ADS-B messages with transponder codes will facilitate the integration of radar and ADS-B information on the same A/V during transition.” This note is a legacy from the original DO-242 document, and provides no useful information with regard to ADS-B system requirements. Generally, correlation of Mode A transponder surveillance data with other flight information is performed by ground –based surveillance functions, so inclusion of this note actually confuses, rather than clarifies things.								

<u>Originator’s proposed resolution:</u>
Since the note provides no useful information with regard to ADS-B system requirements, delete Note 2 in its entirety.

Working Group 6 Deliberations:

February 22, 2002: This Issue Paper is to be reviewed by WG6 at their February 2002 meeting. After some discussion it was agreed the this Issue Paper will be addressed in Revision A, but that the note in question will be edited instead of deleted. This edited note will closed this Issue Paper.

Working Group 6 Final Resolution:

Note 2 of § 2.1.2.2.2 will read as follows:

2. *Mode A transponder codes are not included in the ADS-B message set. Therefore, ground-based surveillance systems may need to correlate ADS-B messages with Mode A transponder codes to facilitate the integration of radar and ADS-B information on the same A/V.*